AGRICULTURE & LIFE SCIENCES
TEXAS A&M UNIVERSITY

Department of Soil and Crop Sciences

Bardwell
2018 Corn
Performance Trial

TEXAS A&M AGRILIFE RESEARCH | EXTENSION

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
REV	24BHR99	Optimum Intrasect	77	98	36	24,461	9.5	54.2	103
NuTech	5F113	Optimum AcreMax (AM-R)	75	103	40	23,958	10.2	56.0	99
Dyna-Gro	D56VC46	Genuity VT Double PRO	74	89	34	23,204	10.0	54.0	95
Integra	6533	Genuity VT Double PRO	73	93	37	23,539	10.2	55.2	94
NK	NK1694	Agrisure Viptera 3111	76	93	40	23,623	9.5	54.4	93
Integra	9678	Genuity VT Double PRO	74	91	37	23,874	10.3	54.5	90
Dyna-Gro	D52SS63	SmartStax	75	89	36	22,785	10.5	54.7	89
NuTech	5FB-1211	Optimum AcreMax (AM-R)	75	97	33	22,450	9.9	54.4	89
DEKALB	DKC 62-08	Genuity SmartStax	74	88	38	23,623	9.6	53.3	88
Progeny	PGY6119	Genuity VT Double PRO	75	93	40	22,534	10.6	55.5	88
Pioneer	P1464	Leptra	79	99	41	24,042	10.1	54.7	87
Dyna-Gro	D54VC14	Genuity VT Double PRO	74	91	33	21,864	9.8	54.8	86
Integra	6588	Genuity VT Double PRO	77	94	40	23,037	12.1	56.4	86
Progeny	EXP1814		73	91	33	22,534	9.7	54.9	85
Pioneer	P1847	Leptra	78	101	41	23,204	10.6	55.9	85
Dyna-Gro	58SS65	Genuity SmartStax	76	86	33	23,455	10.7	55.9	84
NuTech	5TN-1919	Leptra	78	104	40	22,199	10.4	55.4	84
LG Seeds	66C32	SmartStax	77	96	39	23,288	9.9	54.6	83
Integra	6400	Genuity SmartStax	74	95	38	23,037	9.9	54.3	83
REV	28LPR18	Leptra	79	96	41	22,115	10.3	55.2	82
Progeny	PGY8116	SmartStax	78	92	39	24,684	11.3	56.3	82

*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.

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NuTech	5FB-4516	Optimum AcreMax (AM-R)	79	98	36	24,712	10.6	54.8	81
LG Seeds	64C18	Genuity VT Double PRO	74	93	32	22,031	9.6	54.5	80
NuTech	E5FN-A714	Optimum AcreMax (AM-R)	78	102	41	22,701	10.0	53.8	80
Mission	A1677	Genuity VT Double PRO	77	96	39	24,293	11.7	55.8	79
LG Seeds	5701	Genuity VT Double PRO	75	92	39	24,042	9.2	53.3	78
Dyna-Gro	D57VC51	Genuity VT Double PRO	76	92	38	23,707	9.4	53.1	78
Progeny	PGY6116	Genuity VT Double PRO	75	97	39	24,042	10.1	53.8	78
REV	25LPR89	Leptra	76	98	38	24,907	9.0	52.6	77
REV	23LPR55	Leptra	76	97	39	23,455	9.0	53.0	76
Mission	A1637	Genuity VT Double PRO	74	95	37	24,544	9.2	52.7	74
Mission	A1657	Genuity DG VT Double PRO	75	92	40	22,031	10.7	55.0	74
REV	25LPR26	Leptra	77	101	40	24,349	9.7	54.6	73
NuTech	5F713	Optimum AcreMax (AM-R)	77	98	43	22,366	9.0	53.4	73
Integra	6647	Genuity VT Double PRO	75	94	37	21,948	10.0	53.7	73
REV	27LPR79	Leptra	80	105	43	24,126	11.4	56.3	72
B-H Genetics	8660		75	96	40	23,958	9.5	53.8	72
Mission	A1687	Genuity VT Double PRO	74	89	39	19,770	10.3	54.8	72
Navajo Seeds	Ranger	Conventional	80	100	41	21,696	9.8	55.2	60

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		Mean	76	95	38	23,236	10.1	54.6	82
		C.V. %	0.9	4.8	7.3	6.3	4.0	0.9	9.0
		P>f (hybrid)	0.000	0.000	0.000	0.002	0.000	0.000	0.000
		L.S.D.	1.0	6.3	3.9	2,079.8	0.6	0.7	10.4

Agronomic information

Plant Date	3/16/2018
Harvest Date	7/31/2018
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	24,000
N (lb/ac)	122
P2O5 (lb/ac)	
K2O (lb/ac)	
Precipitation (in)	17.41
Irrigation (in)	

Herbicide

2 oz/ac Zidua pre-emerge

Trial Notes

*1 ton/ac chicken litter applied in fall
*From June 5-July 5 (flowering, grain fill) 0.2" of rain fell. Lack of moisture combined with excessive temperatures contributed to lower than normal yields.

Soil Type	Branyon Clay
Tillage	Minimum
Previous Crop	Wheat

Cooperator: Bob & Steven Beakley

Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using Almaco meter units on a JD Max-Emerge II units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.

For additional information contact:
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